

Converting Colors

XYZ(27.9793, 28.3107, 79.0745)

Have a look what the booklet for
XYZ(27.9793, 28.3107, 79.0745)
contains.

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Color

**XYZ(27.9411, 28.2429,
78.8417)**

Conversions

Conversions Part 1

Format	Color
Hex	4F93E6
RGB	79, 147, 230
RGB Percent	31%, 58%, 90%
CMY	0.6902, 0.4235, 0.0980
CMYK	0.66, 0.36, 0.00, 0.10
HSL	213°, 75%, 61%
HSV	213°, 66%, 90%
XYZ	27.9411, 28.2429, 78.8417
YIQ	136.1300, -67.1710, 11.3970

Conversions

Conversions Part 2

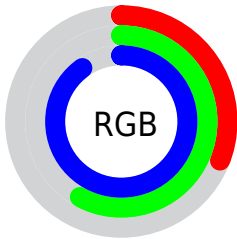
Format	Color
RYB	79, 126, 230
Decimal	5215206
CIELab	60.11, 4.41, -48.38
CIELCh	60, 48.576, 275.208
Yxy	28.2429, 0.2069, 0.2092
Android (android.graphics.Color)	4283405286 (0xFF4F93E6)
YUV	136.1300, 46.2779, -50.1030
Hunter-Lab	53.1440, 0.8464, -50.7587

Details

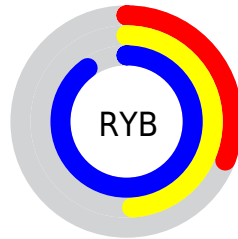
The XYZ color **27.9411, 28.2429, 78.8417** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **46.9667, 43.2311, 13.2678**, and the grayscale version is **23.3019, 24.5154, 26.6972**.

A 20% lighter version of the original color is **49.9211, 54.6560, 102.5263**, and **11.9147, 11.6054, 41.6565** is the 20% darker color. If you saturate the color by 10%, you get **24.4892, 23.7038, 78.1481**, and if you desaturate by 10%, it is **32.2728, 33.5571, 79.6397**.

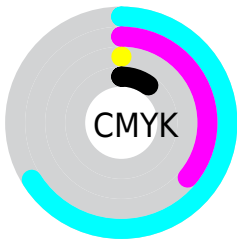
Distribution



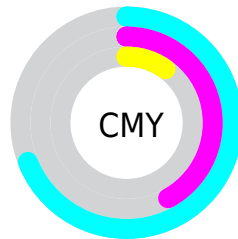
- Red (31%)
- Green (58%)
- Blue (90%)



- Red (31%)
- Yellow (49%)
- Blue (90%)



- Cyan (66%)
- Magenta (36%)
- Yellow (0%)
- Black (10%)



- Cyan (69%)
- Magenta (42%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9411, 28.2429, 78.8417 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 27.9411, 28.2429, 78.8417 by changing the saturation by 10% instead.

■ 27.9411, 28.2429,
78.8417

■ 27.9411, 28.2429,
78.8417

284.2705,
293.6258, 510.6241

■ 18.4215, 18.5088,
58.2451

■ 55.7997, 56.8720,
133.5326

■ 11.3545, 11.3159,
41.5897

■ 74.8694, 76.5359,
168.4641

■ 6.3749, 6.2797,
28.4570

■ 97.8532, 100.2784,
209.0108

■ 3.1172, 3.0159,
18.4284

■ 125.1164,
128.4841, 255.5915

■ 1.2160, 1.1401,
11.0854

157.0243,
161.5373, 308.6247

■ 0.1190, 0.0119,
6.0094

193.9425,

■ 0.0000, 0.0000,

199.8223, 368.5288

2.7819

236.2361,
243.7237, 435.7224

■ 0.0000, 0.0000,
0.9844

■ 0.0000, 0.0000,
0.0000

■ 27.9411, 28.2429,
78.8417

■ 27.9411, 28.2429,
78.8417

■ 24.4892, 23.7038,
78.1481

■ 32.2728, 33.5571,
79.6397

■ 21.8352, 19.8861,
77.5511

■ 37.5491, 39.6885,
80.5451

■ 19.8847, 16.7307,
77.0448

■ 43.8318, 46.6788,
81.5633

■ 19.1903, 15.5278,
76.8492

■ 51.1763, 54.5656,
82.6985

■ 59.6336, 63.3839,
83.9548

■ 69.2511, 73.1666,
85.3362

■ 80.0737, 83.9448,
86.8462

■ 89.1351, 94.1974,
88.3475

■ 91.2830, 98.4932,
89.0635

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.1477, 28.2429, 73.3428



27.9411, 28.2429, 78.8417



34.3229, 28.2429, 67.9469

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



27.9411, 28.2429, 78.8417



37.8137, 28.2429, 14.9651



17.4083, 28.2429, 18.5390

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27.9411, 28.2429, 78.8417



46.9667, 43.2311, 13.2678

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.5391, 28.2429, 10.4367



27.9411, 28.2429, 78.8417



32.1613, 28.2429, 8.9999

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



27.9411, 28.2429, 78.8417



40.5569, 28.2429, 27.7546



25.7761, 28.2429, 7.7385



16.6336, 28.2429, 33.9571

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.9411, 28.2429, 78.8417



37.8762, 28.2429, 54.6446



25.7761, 28.2429, 7.7385



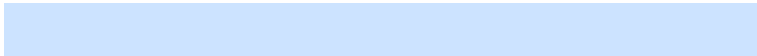
18.1936, 28.2429, 15.0912

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27.9422, 28.2438, 78.8424



70.4116, 74.9768, 105.3686



37.8270, 60.7786, 42.7839



14.4321, 15.3803, 22.4580



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.9422, 28.2438, 78.8424



29.5607, 28.0187, 98.4579



20.7395, 13.1932, 76.3170



14.1146, 14.9506, 18.2862



10.9828, 9.0276, 43.5468



0.9033, 0.8504, 3.2485

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.6966, 24.5230, 30.1929



47.5926, 25.8784, 28.9784



60.7499, 73.1611, 18.3184



14.6454, 14.4754, 16.3332



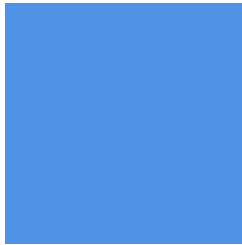
19.9371, 10.1091, 8.5637



1.5196, 0.7655, 0.8765

Previews

White Background



This preview shows how the XYZ color 27.9411, 28.2429, 78.8417 looks on a white background.

Color Contrast Check

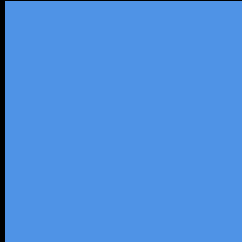
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.9411, 28.2429, 78.8417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

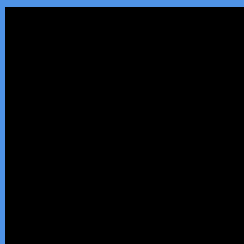
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

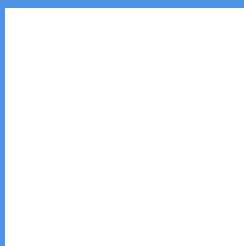
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9411, 28.2429, 78.8417

Background



This preview shows how black text looks on a background with the XYZ color 27.9411, 28.2429, 78.8417.



This preview shows how white text looks on a background with the XYZ color 27.9411, 28.2429,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

27.9411, 28.2429, 78.8417

Protanopia

29.9255, 27.9967, 75.0608

Deuteranopia

29.0132, 28.0957, 79.4952



Tritanopia

20.8832, 28.3103, 43.3935

Trichromacy



Original Color

27.9411, 28.2429, 78.8417

Protanomaly

29.0544, 27.9577, 76.5381

Deuteranomaly

28.6690, 28.1442, 79.5227

Tritanomaly

23.0343, 28.1628, 54.6740

Monochromacy



Original Color

27.9411, 28.2429, 78.8417

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.7040, 25.3033, 41.6649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9411, 28.2429, 78.8417 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(79, 147, 230)` looks like.

```
.text, #text, p{  
    color:rgb(79, 147, 230)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(79, 147, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 147, 230) }
```

Border

The CSS property to change the border of an element to XYZ 27.9411, 28.2429, 78.8417 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(79, 147, 230) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(79, 147, 230) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(79, 147, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 147, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 147, 230);  
box-shadow:4px 4px 4px 4px rgb(79, 147,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9411, 28.2429, 78.8417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 147, 230) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(79, 147,  
230) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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